

10620551_CLS1

Most Frequently Occurring Classifications of Patents Returned
From A Search of 10620551 on April 03, 2006

Original Classifications

8	381/94.3
5	704/233
4	379/406.01
3	704/225
3	704/226
2	375/148
2	379/406.05
2	381/66
2	381/92

Cross-Reference Classifications

13	704/226
7	704/225
4	379/406.01
4	381/94.2
4	381/94.3
4	704/233
3	375/285
3	375/346
3	379/406.05
3	379/406.06
3	379/406.07
3	381/317
3	455/296
3	455/306
2	370/286
2	375/350
2	379/388.02
2	379/406.02
2	379/406.03
2	379/406.08
2	379/406.09
2	381/111
2	381/320
2	455/63.1
2	704/200.1
2	704/205
2	704/228

Combined Classifications

16	704/226
12	381/94.3
10	704/225
9	704/233
8	379/406.01
5	379/406.05
4	381/94.2
3	375/148
3	375/285
3	375/346
3	379/406.03
3	379/406.06
3	379/406.07
3	381/317
3	381/66
3	455/296
3	455/306
3	455/63.1

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3 704/228
2 370/286
2 375/350
2 379/388.02
2 379/406.02
2 379/406.04
2 379/406.08
2 379/406.09
2 381/111
2 381/320
2 381/92
2 381/94.1
2 455/570
2 704/200.1
2 704/205
2 704/219
2 704/224
2 704/227

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Titles of Most Frequently Occurring Classifications of Patents Returned
From A Search of 10620551 on April 03, 2006

16 704/226 (3 OR, 13 XR)
Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,
LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO
COMPRESSION/DECOMPRESSION
704/200 SPEECH SIGNAL PROCESSING
704/201 .For storage or transmission
704/226 ..Noise

12 381/94.3 (8 OR, 4 XR)
Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS
AND DEVICES
381/94.1 NOISE OR DISTORTION SUPPRESSION
381/94.2 .Spectral adjustment
381/94.3 ..In multiple frequency bands

10 704/225 (3 OR, 7 XR)
Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,
LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO
COMPRESSION/DECOMPRESSION
704/200 SPEECH SIGNAL PROCESSING
704/201 .For storage or transmission
704/225 ..Gain control

9 704/233 (5 OR, 4 XR)
Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,
LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO
COMPRESSION/DECOMPRESSION
704/200 SPEECH SIGNAL PROCESSING
704/231 .Recognition
704/233 ..Detect speech in noise

8 379/406.01 (4 OR, 4 XR)
Class 379 : TELEPHONIC COMMUNICATIONS
379/406.01 ECHO CANCELLATION OR SUPPRESSION

5 379/406.05 (2 OR, 3 XR)
Class 379 : TELEPHONIC COMMUNICATIONS
379/406.01 ECHO CANCELLATION OR SUPPRESSION
379/406.05 .Residual echo cancellation

4 381/94.2 (0 OR, 4 XR)
Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS
AND DEVICES
381/94.1 NOISE OR DISTORTION SUPPRESSION
381/94.2 .Spectral adjustment

3 375/148 (2 OR, 1 XR)
Class 375 : PULSE OR DIGITAL COMMUNICATIONS
375/130 SPREAD SPECTRUM
375/140 .Direct sequence
375/147 ..Receiver
375/148 ...Multi-receiver or interference cancellation

3 375/285 (0 OR, 3 XR)
Class 375 : PULSE OR DIGITAL COMMUNICATIONS
375/259 SYSTEMS USING ALTERNATING OR PULSATING CURRENT
375/285 .Antinoise or distortion

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3 375/346 (0 OR, 3 XR)
Class 375 : PULSE OR DIGITAL COMMUNICATIONS
375/316 RECEIVERS
375/346 .Interference or noise reduction

3 379/406.03 (1 OR, 2 XR)
Class 379 : TELEPHONIC COMMUNICATIONS
379/406.01 ECHO CANCELLATION OR SUPPRESSION
379/406.02 .Combined diverse function
379/406.03 ..Additional signal enhancement (e.g., voice processing or recognition)

3 379/406.06 (0 OR, 3 XR)
Class 379 : TELEPHONIC COMMUNICATIONS
379/406.01 ECHO CANCELLATION OR SUPPRESSION
379/406.06 .Using digital signal processing

3 379/406.07 (0 OR, 3 XR)
Class 379 : TELEPHONIC COMMUNICATIONS
379/406.01 ECHO CANCELLATION OR SUPPRESSION
379/406.06 .Using digital signal processing
379/406.07 ..Using attenuator

3 381/317 (0 OR, 3 XR)
Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES
381/312 HEARING AIDS, ELECTRICAL
381/317 .Noise compensation circuit

3 381/66 (2 OR, 1 XR)
Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS AND DEVICES
381/66 DEREVERBERATORS

3 455/296 (0 OR, 3 XR)
Class 455 : TELECOMMUNICATIONS
455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER
455/296 .Noise or interference elimination

3 455/306 (0 OR, 3 XR)
Class 455 : TELECOMMUNICATIONS
455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER
455/296 ..Noise or interference elimination
455/303 ..Using plural separate signal paths
455/305 ...With balancing or neutralizing
455/306Filter in at least one path

3 455/63.1 (1 OR, 2 XR)
Class 455 : TELECOMMUNICATIONS
455/39 TRANSMITTER AND RECEIVER AT SEPARATE STATIONS
455/63.1 .Distortion, noise, or other interference prevention, reduction, or compensation

3 704/228 (1 OR, 2 XR)
Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING, LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO COMPRESSION/DECOMPRESSION
704/200 SPEECH SIGNAL PROCESSING
704/201 .For storage or transmission

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704/226 ..Noise
704/228 ...Post-transmission

2 370/286 (0 OR, 2 XR)
Class 370 : MULTIPLEX COMMUNICATIONS
370/276 DUPLEX
370/282 .Transmit/receive interaction control
370/286 ..Echo suppression or cancellation

2 375/350 (0 OR, 2 XR)
Class 375 : PULSE OR DIGITAL COMMUNICATIONS
375/316 RECEIVERS
375/346 .Interference or noise reduction
375/350 ..By filtering (e.g., digital)

2 379/388.02 (0 OR, 2 XR)
Class 379 : TELEPHONIC COMMUNICATIONS
379/387.01 SUBSTATION OR TERMINAL CIRCUITRY
379/388.01 .For loudspeaking terminal
379/388.02 ..Speakerphone with build-in microphone

2 379/406.02 (0 OR, 2 XR)
Class 379 : TELEPHONIC COMMUNICATIONS
379/406.01 ECHO CANCELLATION OR SUPPRESSION
379/406.02 .Combined diverse function

2 379/406.04 (1 OR, 1 XR)
Class 379 : TELEPHONIC COMMUNICATIONS
379/406.01 ECHO CANCELLATION OR SUPPRESSION
379/406.04 .Disable or inhibit function

2 379/406.08 (0 OR, 2 XR)
Class 379 : TELEPHONIC COMMUNICATIONS
379/406.01 ECHO CANCELLATION OR SUPPRESSION
379/406.06 .Using digital signal processing
379/406.08 ..Adaptive filtering

2 379/406.09 (0 OR, 2 XR)
Class 379 : TELEPHONIC COMMUNICATIONS
379/406.01 ECHO CANCELLATION OR SUPPRESSION
379/406.06 .Using digital signal processing
379/406.08 ..Adaptive filtering
379/406.09 ...Least mean squares (LMS) algorithm

2 381/111 (0 OR, 2 XR)
Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS
AND DEVICES
381/111 CIRCUITRY COMBINED WITH SPECIFIC TYPE
MICROPHONE OR LOUDSPEAKER

2 381/320 (0 OR, 2 XR)
Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS
AND DEVICES
381/312 HEARING AIDS, ELECTRICAL
381/320 .Spectral control

2 381/92 (2 OR, 0 XR)
Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS
AND DEVICES
381/92 DIRECTIVE CIRCUITS FOR MICROPHONES

2 381/94.1 (1 OR, 1 XR)
Class 381 : ELECTRICAL AUDIO SIGNAL PROCESSING SYSTEMS

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AND DEVICES
381/94.1 NOISE OR DISTORTION SUPPRESSION

2 455/570 (1 OR, 1 XR)
Class 455 : TELECOMMUNICATIONS
455/73 TRANSMITTER AND RECEIVER AT SAME STATION (E.G.,
TRANSCEIVER)
455/550.1 .Radiotelephone equipment detail
455/569.1 ..Hands-free or loudspeaking arrangement
455/570 ...Noise suppression or echo cancellation

2 704/200.1 (0 OR, 2 XR)
Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,
LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO
COMPRESSION/DECOMPRESSION
704/200 SPEECH SIGNAL PROCESSING
704/200.1 .Psychoacoustic

2 704/205 (0 OR, 2 XR)
Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,
LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO
COMPRESSION/DECOMPRESSION
704/200 SPEECH SIGNAL PROCESSING
704/201 .For storage or transmission
704/205 ..Frequency

2 704/219 (1 OR, 1 XR)
Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,
LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO
COMPRESSION/DECOMPRESSION
704/200 SPEECH SIGNAL PROCESSING
704/201 .For storage or transmission
704/219 ..Linear prediction

2 704/224 (1 OR, 1 XR)
Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,
LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO
COMPRESSION/DECOMPRESSION
704/200 SPEECH SIGNAL PROCESSING
704/201 .For storage or transmission
704/224 ..Normalizing

2 704/227 (1 OR, 1 XR)
Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,
LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO
COMPRESSION/DECOMPRESSION
704/200 SPEECH SIGNAL PROCESSING
704/201 .For storage or transmission
704/226 ..Noise
704/227 ...Pretransmission